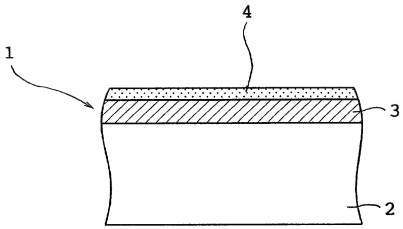

FIG.1

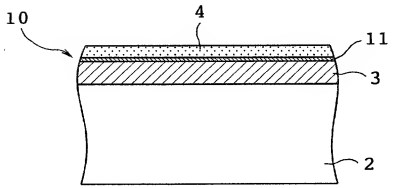

FIG.2

		COMPOSITION OF BEARING (VOLUME %)													
		BEARING ALLOY	BONDING LAYER					RESIN SURFACE LAYER							
			BASE RESIN		SOLID LUBRICANT			BASE RESIN			SOLID LUBRICANT			OTHER ADDITIVE	
			PAI	PI	MoS_2	Gr	PTFE	PAI	EP	PBI	MoS_2	Gr	PTFE	Cu	Si_3N_4
EXAMPLE	1	Cu								20	80				
	2	Cu								60	40				
	3	Cu								30	70				
	4	Cu								57	40			3	
	5	Cu								54	40			3	3
	6	Cu								39	40		20	1	
	7	Cu	100							60	40				
	8	Cu	100							30	70				
	9	Cu		100						39	40		20	1	
	10	Cu	60		40					60	40				
	11	Cu	60			40				60	40				
	12	Cu	60				40			80	20				
COMPARATIVE EXAMPLE	13	Cu						100							
	14	Cu							100						
	15	Cu						60			40				
	16	Cu						30			70				
	17	Cu						57			40			3	
	18	Cu						57				40		3	
	19	Cu						54			40			3	3
	20	Cu						39			40		20	1	
	21	Cu								100					

FIG.3A

		RESULTS OF TEST			
		COEFFICIENT OF FRICTION	AMOUNT OF WEAR (μm)	SEIZURE LOAD (MPa)	VOLUMETRIC DECREASE (mm^3)
EXAMPLE	1	0.03	15	21	5.30
	2	0.05	8	24	3.46
	3	0.03	9	27	4.80
	4	0.04	4	27	3.54
	5	0.04	1	30	4.56
	6	0.03	4	30	4.29
	7	0.05	8	27	2.74
	8	0.03	9	27	4.26
	9	0.03	4	30	3.65
	10	0.05	8	33	1.96
	11	0.05	7	33	2.08
	12	0.05	8	33	2.76
COMPARATIVE EXAMPLE	13	0.10	12	15	5.76
	14	0.10	13	15	5.69
	15	0.05	17	21	3.56
	16	0.03	20	24	6.00
	17	0.05	6	24	4.21
	18	0.05	6	24	4.76
	19	0.04	2	24	5.90
	20	0.04	7	27	5.01
	21	0.12	10	15	4.89

FIG.3B